

Figure 1

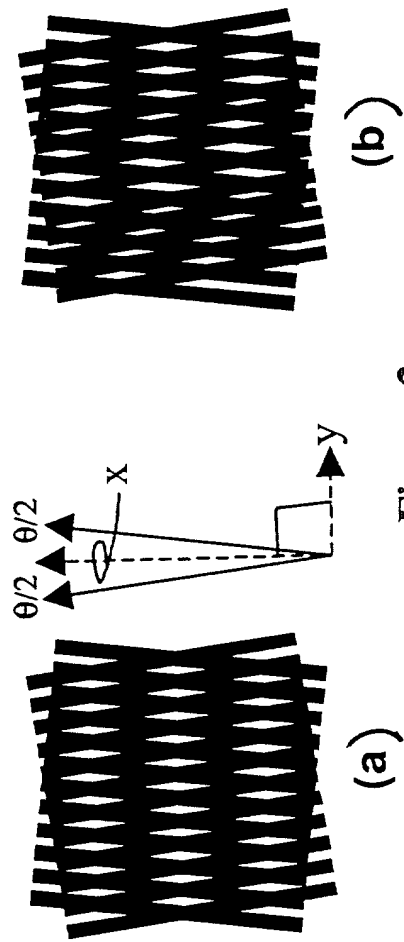
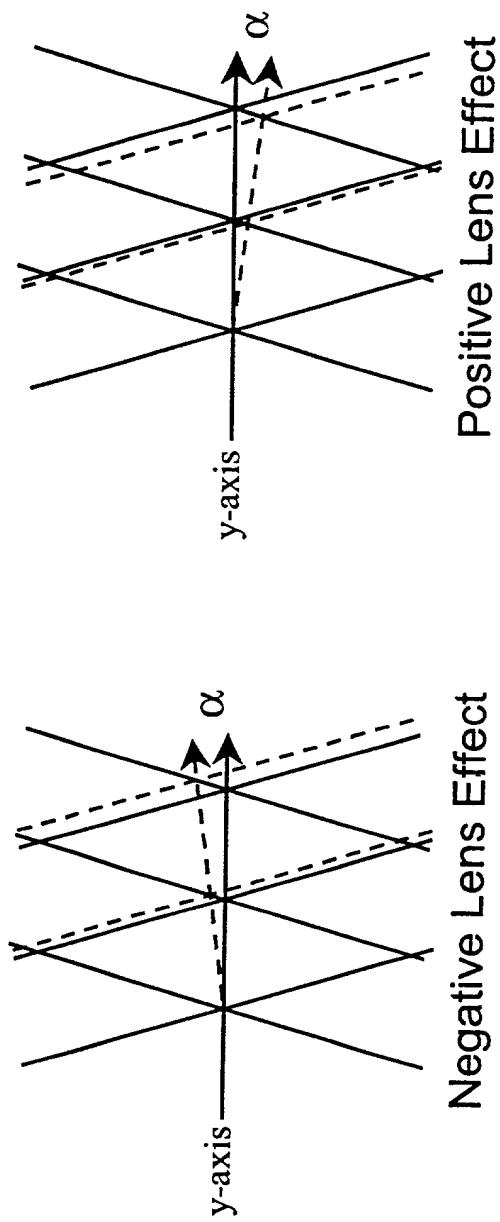


Figure 2



(a)

(b)

Figure 3

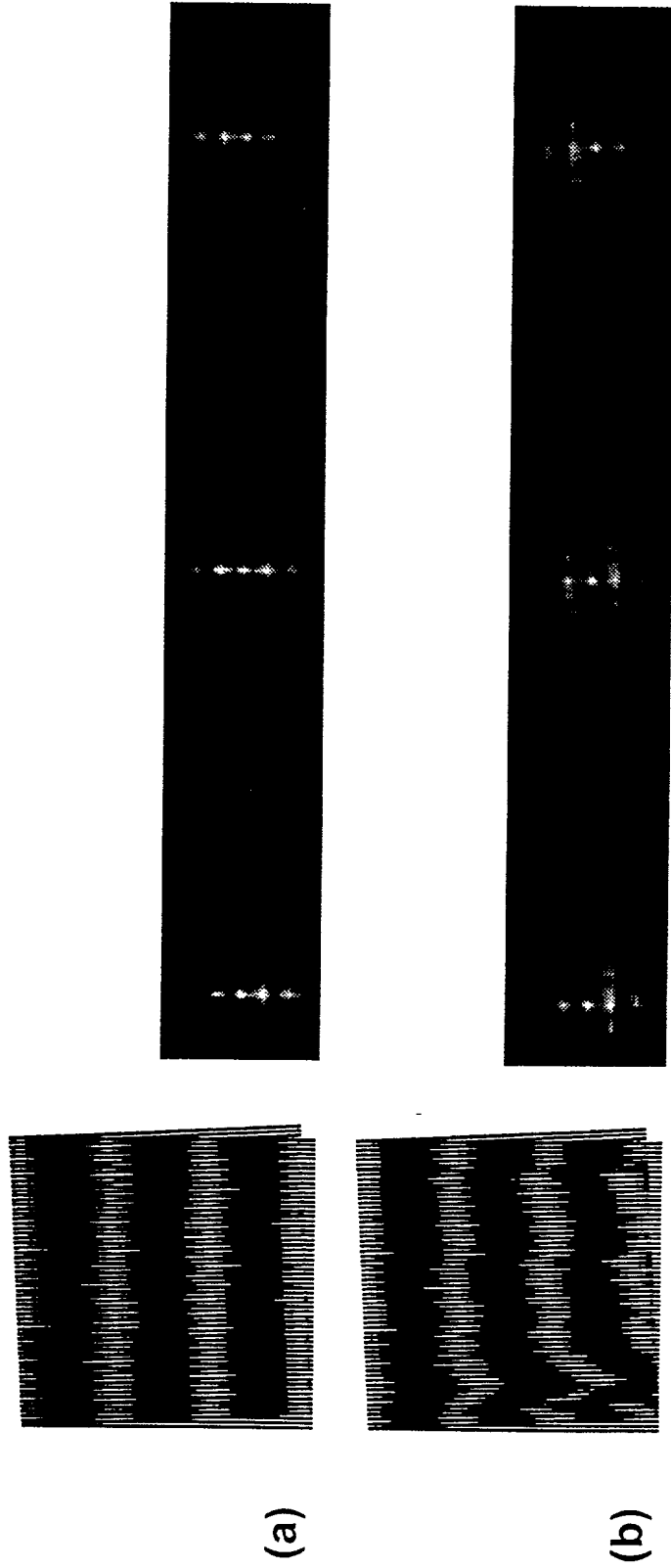


Figure 4

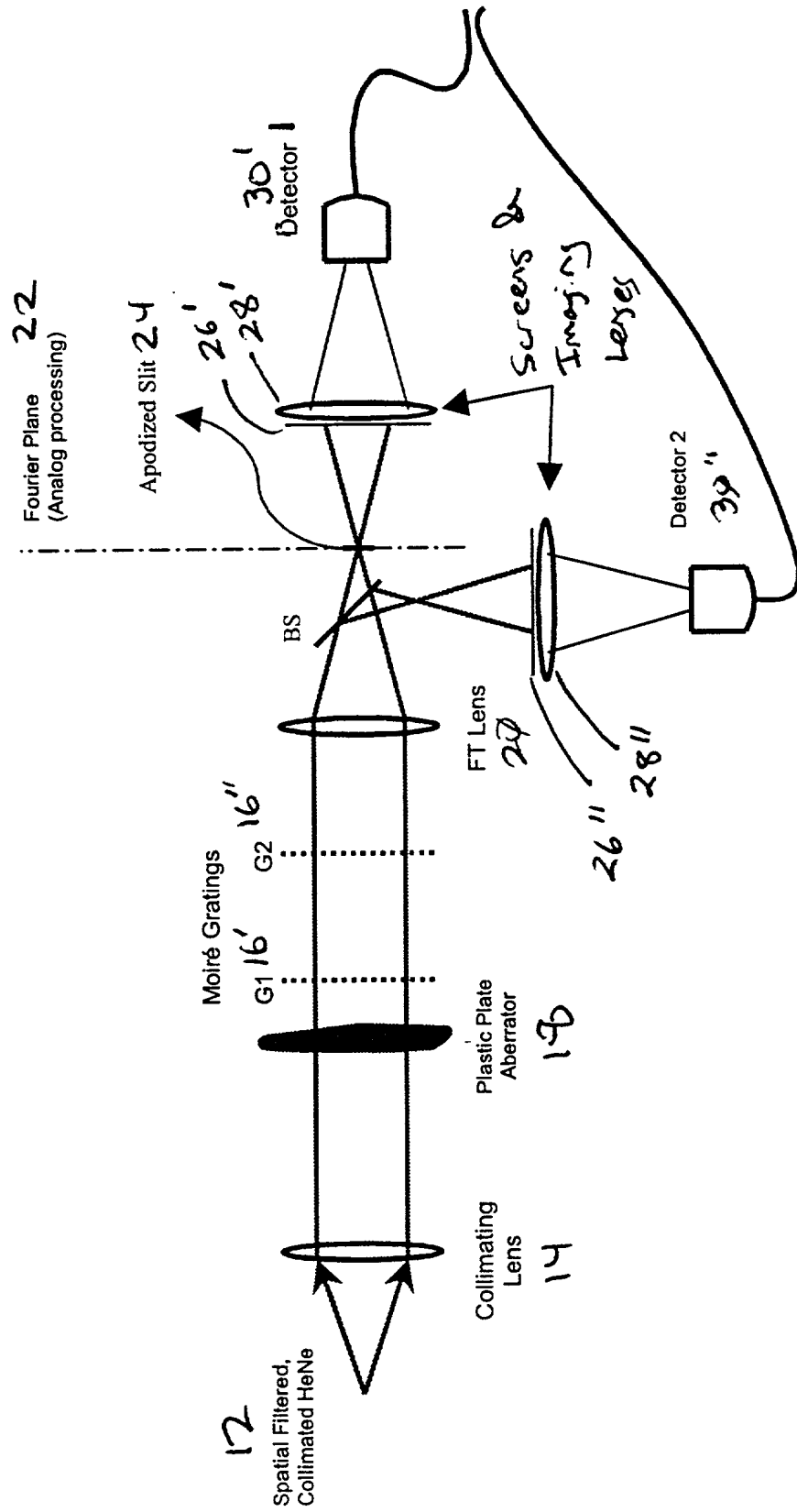


Figure 5

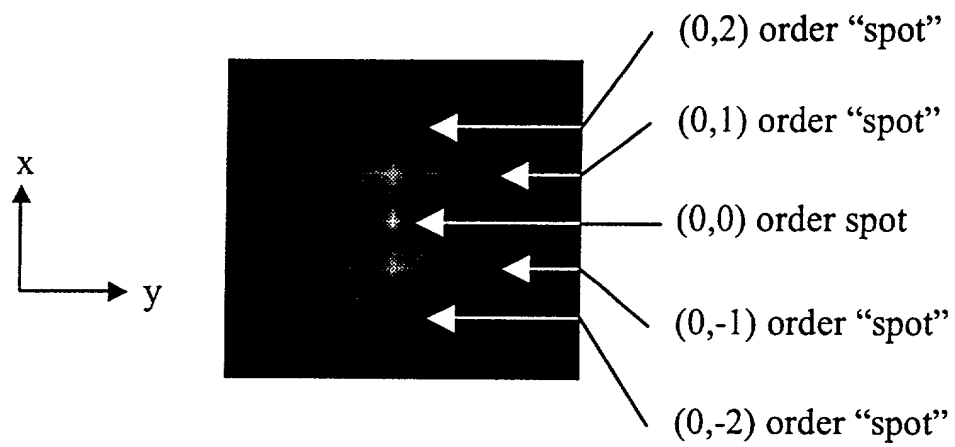
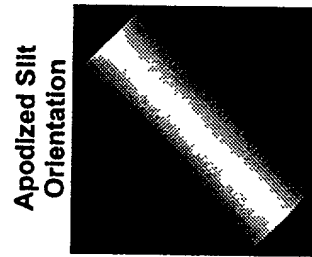
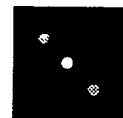
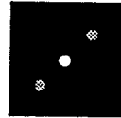


Figure 6



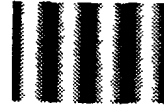
(a)

These frequency components at the Fourier plane...



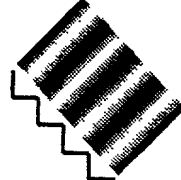
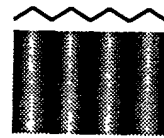
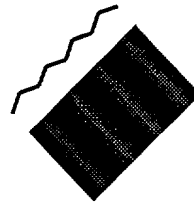
(b)

...produce this moiré fringe pattern in the image plane



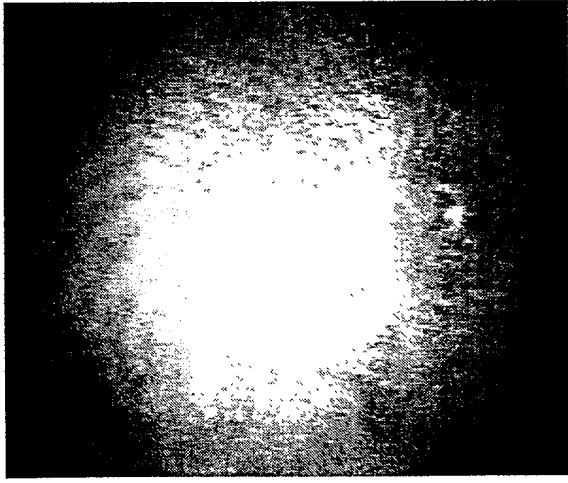
(c)

Effect of the slit in the Fourier plane, on the Image plane.



(d)

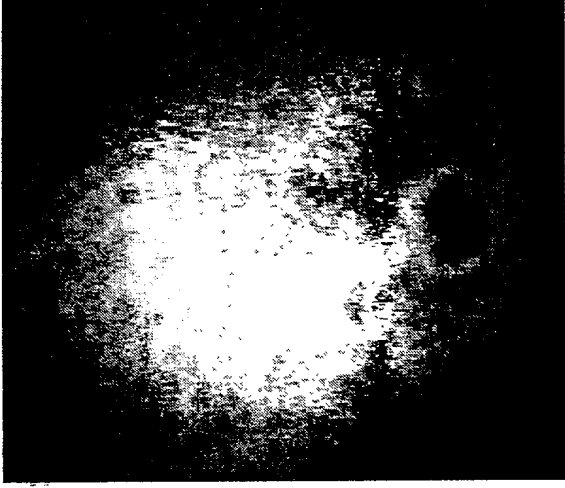
Figure 7



Moiré Deflectogram -- Air Slit

- Camera does not resolve fringes.
- Imperfect gratings cause secondary fringes.

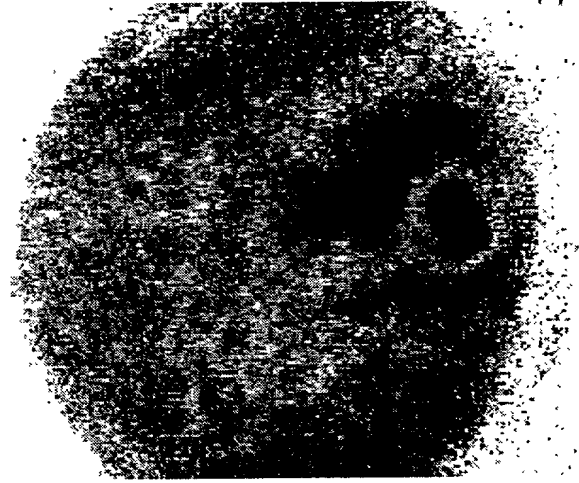
(a)



Moiré Deflectogram -- Apodized Slit

- Very different intensity pattern
- Looks like a 3D surface illuminated from the upper left.

(b)



Normalized Pattern

- All fringe slope information across the profile has equal weighting.

(c)

Figure 9